AUTHOR INDEX TO VOLUME 20

Note: All notices for conferences, symposia, and meetings are under one heading: ANNOUNCEMENTS

ABDEL-GAFAR A *see* HAFEZ M *et al*
ADACHI M *see* NAKAI H *et al*
ADIB R *see* CARTWRIGHT R A *et al*
AGARWAL S S *see* PAPIHA S S *et al*
AITKEN D A *see* FERGUSON-SMITH M A *et al*
ALBANO W A *see* LYNCH H T *et al*
ALLAN L D *see* CRAWFORD D C *et al*
ALLANSON J and HALL J Obstetric and gynaecological problems in women with chondrodystrophies 300 *abst*
ALLEN E F and HODGKIN W E Trisomy for 8p21→pter owing to a familial translocation: case report 68
ALLEN T D *see* HARRISON C J *et al*
AL-AWADI S A, FARAG T I, NAGUIB K, TEEBI A, CUSCHIERI A, AL-OTHMAN S, and SUNDARESHAN T S Interstitial deletion of the long arm of chromosome 2: del(2)(q31;q33): case report 464
AL-OTHMAN S *see* AL-AWADI S A *et al*
AMIR J *see* AVNI A *et al*
AMORIELLO A *see* STABILE M *et al*
ANDRIA G *see* STRISCIUGLIO P *et al*
ANSEDES H V *see* MIRANDA J L G *et al*
ANTIA N A *see* MISTRY N F *et al*
ANTONELLI A, DEL MARCO A, GABELLINI P, GIGLIANI F, MARCUCCI L, and PETRINELLI P Translocation t(1;20)(q21;q13) in an azoospermic man: short report 151
APPLEYARD I *see* CARTWRIGHT R A *et al*
APPLEYARD W J *see* SHAWE D J *et al*
ARCHIDIACONO N *see* FILIPPI G *et al*
ARNARDÓTTIR Á *see* HAUKSDÓTTIR H *et al*
AUBER G *see* FILIPPI G *et al*
AUCHTERLONIE I A *see* COUZIN D A *et al*
AVNI A, AMIR J, WILUNSKY E, KATZNELSON M B M, and REISNER S H Down's syndrome in twins of unlike sex 94
AWADALLA M *see* HAFEZ M *et al*
AWADI S A AL- *see* AL-AWADI S A
AYMÉ S *see* MATTEI J-F and AYMÉ S

BADER J L *see* SPENCE M A *et al*
BADIA L *see* PRIETO F and BADIA L
BALESTRAZZI P, CROCI G, FRASSI C, FRANCHI F, and GIOVANNELLI G Tetrasomy 9p confirmed by GALT: case report 396
BALL S *see* DAVIES K E *et al*
BANKIER A and DANKS D M Thoracic-pelvic dysostosis: a 'new' autosomal dominant form 276
BARAGINO E *see* FILIPPI G *et al*
BARAITSER M, BRETT E M, and PIESOWICZ A T Microcephaly and intracranial calcification in two brothers 210
and BURN J Recessively inherited brachydactyly type C 128
and FAZZONE T A Huntington's chorea arising as a fresh mutation: case report 459
and FIXSEN J A female infant with features of Mohr and Majewski syndromes: variable expression, a genetic compound, or a distinct entity? case report 65
A recessively inherited windmill-vane camptodactyly/ichthyosis syndrome 125
CARTER C O, and BRETT E M A new alopecia/mental retardation syndrome: case report 64
see also WINTER R M and BARAITSER M
BARHAM-HALL D *see* CARTWRIGHT R A *et al*
BARNES R D, POTTINGER B E, MARSTON J, FLECKNELL P, WARD R H T, KALTER S, and HEBERLING R L Immunological tolerance induced by in utero injection 41
BARTSOCAS C S *see* KITSIOU-TZELI S *et al*
BATISTA D A S, VIANNA-MORGANTE A M, and RICHIERI-COSTA A Tetrasomy 18p: tentative delineation of a syndrome: case report 144
BEIGHTON P *see* VILJOEN D L *et al*
BENOIT Y *see* ORYE E *et al*
BEN-RAFAEL Z *see* SHALEV J *et al*
BERGER G M B, BROWN G, HENDERSON H E, and BONNICI F Apolipoprotein B detected in the plasma of a patient with homozygous hypobetalipoproteinaemia: implications for aetiology 189
BERRY A C *see* FEAR C N *et al*
BEVER H VAN *see* VAN BEVER H
BIRDI T J *see* MISTRY N F *et al*
BONNICI F *see* BERGER G M B *et al*
BORNS P F *see* KELLEY R I *et al*
BOTTINI E, COROMALDI L, CARAPELLA E, PASCONE R, NICOTRA M, COGHI I, LUCARINI N, and GLORIA-BOTTINI F Intrauterine death: an approach to the analysis of genetic heterogeneity 196
BOTTINI F GLORIA- *see* GLORIA-BOTTINI F
BOUND J P *see* DAVID T J *et al*
BOUVET J-P *see* LOWRY R B and BOUVET J-P
BRACKERTZ M *see* GRIMM T *et al*
BRETT E M *see* BARAITSER M *et al*
BRINKHUES G TROST- *see* TROST-BRINKHUES G
BROCK D J H The impact of maternal serum AFP screening on antenatal diagnosis 301 *abst*
see also CARBARNS N J B *et al*
BROEKMAN A *see* KARDON N B *et al*
BRÖNNIMAN U *see* GENČÍK A *et al*
BROOKS A P and EMERY A E H Charcot-Marie-Tooth disease: correspondence reply 77
BROWN G *see* BERGER G M B *et al*
BUCKTON K E, WHALLEY L J, LEE M, and CHRISTIE J E Chromosome changes in Alzheimer's presenile dementia 46
BULUGAHAPITIYA D T D *see* PRATT N R and BULUGAHAPITIYA D T D

BUNDEY S New mutations in Huntington's chorea: correspondence 76
BURCK U *see* SCHINZEL A *et al*
BURN J and MARTIN N Two retarded male cousins with odd facies, hypotonia, and severe constipation: possible example of the X linked FG syndrome 97
see also BARAITSER M and BURN J
BARAITSER M *et al*
BUTCHER C H The legal implications of antenatal screening and diagnosis 302 *abst*

CAMERON A H *see* MANN J R *et al*
CAO A *see* GALANELLO R *et al*
CAPOBIANCO S *see* STABILE M *et al*
CARAPELLA E *see* BOTTINI E *et al*
CARBARNS N J B, GOSDEN C M, BROCK D J H, and HAYWARD C Possible use of microvillar peptidase activity in amniotic fluid for the antenatal diagnosis of cystic fibrosis 457 *abst*
CARROLL C *see* TOMKINS P T *et al*
CARTER C O, HICKMAN V, and EVANS K Pyloric stenosis: children vs sibs: correspondence 155
see also BARAITSER M *et al*
CARTER J and LAURENCE K M Genetic counselling for couples at high risk for neural tube defect during pregnancy. Is this the best time to attend? 301 *abst*
CARTWRIGHT R A, ADIB R, APPLEYARD I, COXON J G, GLASHAN R W, RICHARDS B, ROBINSON M R G, SUNDERLAND E, and BARHAM-HALL D Ten genetic polymorphisms in bladder cancer 112
CASSIA L J SANT- *see* SANT-CASSIA L J
CAVALIERE M L *see* STABILE M *et al*
CHAMBERLAIN G Preconceptional counselling 301 *abst*
CHANDRASOMA P *see* TURKEL S B *et al*
CHAPMAN C J *see* ROMAIN D R *et al*
CHEMKE J, RAPPAPORT S, and ETROG R Aberrant melanoblast migration associated with trisomy 18 mosaicism: case report 135
CHRISTIE J E *see* BUCKTON K E *et al*
CLARK F *see* MCCULLOCH A J *et al*
CLARKE C A Editorial Committee Meeting, November 1983, report: lateral reading 161; Lateral reading 2: editorial 241; Lateral reading 3: editorial 401
CLINICAL GENETICS SOCIETY Meeting held on 7 and 8 April 1983, Cambridge, abstracts 454
and Royal College of Obstetricians and Gynaecologists, Joint Meeting, London, October 1982, abstracts 300
COGHI I *see* BOTTINI E *et al*
COLEMAN D V *see* HORWELL D H *et al*
COLUMBANO-GREEN L M *see* ROMAIN D R *et al*
CONTE N *see* STABILE M *et al*
COOKE P *see* SANT-CASSIA L J and COOKE P
CORKERY J J *see* MANN J R *et al*
COROMALDI L *see* BOTTINI E *et al*
CORTABARRÍA C *see* MIRANDA J L G *et al*
COSTA A RICHIERI- *see* RICHIERI-COSTA A
COUZIN D A, WATT J L, and AUCHTERLONIE I A A complex double translocation involving four chromosomes and five breakpoints in a child with mild mental retardation: case report 389
see also WATT J L and COUZIN D A
COXON J G *see* CARTWRIGHT R A *et al*
CRAWFORD D C, GARRETT C, TYNAN M, NEVILLE B G, and ALLAN L D Cardiac rhabdomyomata as a marker for the antenatal detection of tuberous sclerosis: case report 303
CREASY M R *see* TSUI Y-C *et al*
CROCI G *see* BALESTRAZZI P *et al*
CUSCHIERI A *see* AL-AWADI S A *et al*
CZEIZEL A and MÉTNEKI J Empirical recurrence risk after unidentified multiple congenital abnormalities 367

DALY J S, HULTQUIST D E, and RUCKNAGEL D L Phenazopyridine induced methaemoglobinaemia associated with decreased activity of erythrocyte cytochrome b_5 reductase: case report 307
DANES B S *see* LYNCH H T *et al*
DANKS D M *see* BANKIER A and DANKS D M
DAVID T J Dysmorphology of the Poland anomaly, isolated absence of the pectoralis major and allied disorders 455 *abst*
and GLASS A Hereditary costovertebral dysplasia with malignant cerebral tumour 441
MCCRAE F C, and BOUND J P Congenital malformations associated with anencephaly in the Fylde peninsula of Lancashire 338
DAVIES K *see* WALKER D A *et al*
DAVIES K E, JACKSON J, WILLIAMSON R, HARPER P S, BALL S, SARFARAZI M, MEREDITH L, and FEY G Linkage analysis of myotonic dystrophy and sequences on chromosome 19 using a cloned complement 3 gene probe 259
see HARPER P S *et al*
O'BRIEN T *et al*
PEMBREY M E *et al*
DAVIES R WYNNE- *see* WYNNE-DAVIES R
DAVIS J *see* KARDON N B *et al*
DE ROSA C *see* STABILE M *et al*
DE SMEDT M C *see* VAN ROY B C *et al*
DEFRISE-GUSSENHOVEN E *see* MAES A *et al*
DEL MARCO A *see* ANTONELLI A *et al*
DEL POZO B C and MILLARD P R Demonstration of the fra(X) in lymphocytes, fibroblasts, and bone marrow in a patient with a testicular tumour: case report 225
DELLAGRAMMATICAS H D *see* KITSIOU-TZELI S *et al*
DEN DULK G *see* SMITH A and DEN DULK G
DENNIS N *see* WEST A *et al*
DER MAUR P A *see* GENČÍK A *et al*
DESCHAMPS I, LESTRADET H, SCHMID M, and HORS J HLA-DR2 in two sibships with insulin-dependent diabetes mellitus 365
DI MEO A *see* STRISCIUGLIO P *et al*
DOCHERTY Z, HULTÉN M A, and HONEYMAN M M De novo tandem duplication 17p11→cen: case report 138
DONNAI D and WARRELL D W Familial ovarian cancer: gynaecological and genetic management 300 *abst*
DOSIK D and VERMA R S Spatial relationship of human X and Y chromosomes at somatic metaphase 450
DOSIK H *see* SHAH J V *et al*
VERMA R S *et al*
DOWNHAM D Y *see* EVANS D A P *et al*
DUBOWITZ V *see* FEAR C N *et al*
DULK G DEN *see* DEN DULK G

DUMON J E *see* VAN ROY B C *et al*
DUNLOP J M *see* NEVIN N C *et al*

EBBIN A J *see* TURKEL S B *et al*
EL-KHAYAT H *see* HAFEZ M *et al*
EL-TAHAN H *see* HAFEZ M *et al*
ELLIS R G *see* PEMBREY M E *et al*
EMANUEL B S, ZACKAI E H, and TUCKER S H Further evidence for Xp21 location of Duchenne muscular dystrophy (DMD) locus: X;9 translocation in a female with DMD: case report 461
EMERY A E H Genetics in art 456 *abst*
see also BROOKS A P and EMERY A E H
ENGELBERG I *see* SHALEV J *et al*
ESPINOSA C G *see* MIRANDA J L G *et al*
ETROG R *see* CHEMKE J *et al*
EVANS D A P, EZE L C, and WHIBLEY E J The association of the slow acetylator phenotype with bladder cancer 330
HARMER D, DOWNHAM D Y, WHIBLEY E J, IDLE J R, RITCHIE J, and SMITH R L. The genetic control of sparteine and debrisoquine metabolism in man with new methods of analysing bimodal distributions 321
EVANS H J *see* VIJAYALAXMI *et al*
EVANS J A *see* HUNTER A G W *et al*
EVANS K *see* CARTER C O *et al*
EZE L C *see* EVANS D A P *et al*

FAIRWEATHER D V I *see* HORWELL D H *et al*
FARAG T I *see* AL-AWADI S A *et al*
FAZZONE T A *see* BARAITSER M *et al*
PEMBREY M E *et al*
FEAR C *see* SHAWE D J *et al*
FEAR C N, MUTTON D E, DUBOWITZ V, and BERRY A C Chromosome studies in the Prader-Willi syndrome 457 *abst*
FERGUSON-SMITH M A, MAY H M, O'HARE E, and AITKEN D A Hereditary persistence of alphafetoprotein: a new autosomal dominant trait identified in an antenatal screening programme for spina bifida 458 *abst*
see also YATES J R W and FERGUSON-SMITH M A
FEY G *see* DAVIES K E *et al*
FIELD L L *see* SPENCE M A *et al*
FILIPPI G, PECILE V, ARCHIDIACONO N, BARAGINO E, AUBER G, and ROCCHI M X chromosome replication patterns in a case of X;9 balanced translocation: case report 467
FISHER H J W *see* MANN J R *et al*
FITZSIMMONS J S The teaching of human genetics in schools: review article 244
FIXSEN J *see* BARAITSER M *et al*
FLECKNELL P *see* BARNES R D *et al*
FRANCHI F *see* BALESTRAZZI P *et al*
FRASER F C, MALDOFF S R, and LIPPMAN-HAND A Evidence against a female specific class of neural tube defect: correspondence 78
FRASSI C *see* BALESTRAZZI P *et al*
FUNDERBURK S J *see* SPENCE M A *et al*
FUSARO R M *see* LYNCH H T *et al*

GABELLINI P *see* ANTONELLI A *et al*
GADOTH N and SANDBANK U Involvement of dorsal root ganglia in Fabry's disease: case report 309
GAFAR A ABDEL- *see* ABDEL-GAFAR A
GALANELLO R, PIRASTU M, MELIS M A, PAGLIETTI E, MOI P, and CAO A Phenotype-genotype correlation in haemoglobin H disease in childhood 425
GARDNER A *see* MCDERMOTT A *et al*
GARRETT C *see* CRAWFORD D C *et al*
GEBBIE O *see* ROMAIN D R *et al*
GENČÍK A, BRÖNNIMAN U, TOBLER R, and DER MAUR P A Partial monosomy of chromosome 10 short arms 107
GHONEIM M *see* HAFEZ M *et al*
GIBNEY S F A *see* PENKETH R J A *et al*
GIGLIANI F *see* ANTONELLI A *et al*
GILMAN P A *see* SPENCE M A *et al*
GIOVANNELLI G *see* BALESTRAZZI P *et al*
GLASHAN R W *see* CARTWRIGHT R A *et al*
GLASS A *see* DAVID T J and GLASS A
GLORIA-BOTTINI F *see* BOTTINI E *et al*
GOLDMAN B *see* SHALEV J *et al*
GOLDMAN E *see* WINTER R M *et al*
GÓMEZ A O *see* MIRANDA J L G *et al*
GÖRKE W *see* GRIMM T *et al*
GOSDEN C M *see* CARBARNS N J B *et al*
GOSDEN J R *et al*
GOSDEN J R, GOSDEN C M, RODECK C H, and MORSMAN J M Fetal sex determination using male specific DNA probes and karyotype analysis from chorionic villus biopsies in first trimester pregnancy 454 *abst*
GRAY M *see* NEVIN N C *et al*
GREEN L M COLUMBANO- *see* COLUMBANO-GREEN L M
GRIFFITHS A D Constitutional aplastic anaemia: a family with a new X linked variety of amegakaryocytic thrombocytopenia 361
GRIMM T, BRACKERTZ M, GÖRKE W, KOLLASCHINSKI H, PFEIFER U, and SCHINDLER D A possible X linked form of Leigh's syndrome (infantile subacute necrotising encephalopathy) 456 *abst*
GROSVELD F G *see* POPE F M *et al*
GUANTI G, LONOCE A, PIETRAPERTOSA A, POLIMENO G, and TANNOIA N α-thalassaemia in Apulia: biosynthetic studies 206
GUOMUNDSDÓTTIR E *see* HAUKSDÓTTIR H *et al*
GUERRA F A *see* YOUNG R S *et al*
GUNNARSSON A *see* HAUKSDÓTTIR H *et al*
GUSSENHOVEN E DEFRISE- *see* DEFRISE-GUSSENHOVEN E

HAAN E A *see* MAGNUS R *et al*
HABEDANK M and TROST-BRINKHUES G Monosomy 18p and pure trisomy 18p in a family with translocation (7;18) 377
HAFEZ M, EL-TAHAN H, AWADALLA M, EL-KHAYAT H, ABDEL-GAFAR A, and GHONEIM M Consanguineous matings in the Egyptian population 58
HALL D BARHAM- *see* BARHAM-HALL D
HALL J *see* ALLANSON J and HALL J
HALLDÓRSSON S *see* HAUKSDÓTTIR H *et al*
HAND A LIPPMAN- *see* LIPPMAN-HAND A
HANDELSMAN D J and SMITH A Familial hypogonadism with a balanced reciprocal 1;12 translocation: short report 478
HANSEN K L *see* YOUNG R S *et al*
HARMER D *see* EVANS D A P *et al*

HARPER P S Clinical application of linked DNA polymorphisms to genotype prediction in X linked muscular dystrophy 454 *abst*
O'BRIEN T, MURRAY J M, DAVIES K E, PEARSON P, and WILLIAMSON R The use of linked DNA polymorphisms for genotype prediction in families with Duchenne muscular dystrophy 252
see also DAVIES K E *et al*
KINGSTON H M and HARPER P S
O'BRIEN T *et al*
TYLER A and HARPER P S
WALKER D A *et al*
WILLIAMS E M and HARPER P S
HARRIS F *see* OWENS J R *et al*
HARRIS R *see* HARRISON C J *et al*
HARRISON C J, JACK E M, ALLEN T D, and HARRIS R The fragile X: a scanning electron microscope study 280
HASEN J Serum gonadotrophins in Down's syndrome: correspondence 233
HAUKSDÓTTIR H, ARNARDÓTTIR Á, STEINARSDÓTTIR M, GUOMUNDSDÓTTIR E, HALLDÓRSSON S, GUNNARSSON A, and MIKKELSEN M Pericentric inversion of chromosome 13: correspondence 154
HAYWARD C *see* CARBARNS N J B *et al*
HEBERLING R L *see* BARNES R D *et al*
HEIMANS J J and LINDHOUT D Charcot-Marie-Tooth disease: correspondence 77
HENDERSON H E *see* BERGER G M B *et al*
HENS L *see* MAES A *et al*
HERR H M, SCOTT C I, and HORTON S J De novo interstitial direct duplication of 15q: 46,XY,dir dup(15) (pter →p24::q14 →q21·1 ::q24 →qter): case report 473
HICKMAN V *see* CARTER C O *et al*
HINE L K *see* YOUNG R S *et al*
HIRAYAMA K *see* OHDO S *et al*
HODGKIN W E *see* ALLEN E F and HODGKIN W E
HONEYMAN M M *see* DOCHERTY Z *et al*
HOO J J Interstitial duplication/deletion owing to unequal crossing-over in association with pericentric inversion: correspondence 234
HOPKINSON D A *see* PENKETH R J A *et al*
HORS J *see* DESCHAMPS I *et al*
HORTON S J *see* HERR H M *et al*
HORWELL D H, COLEMAN D V, LEEPER J, LOEFFLER F E, MODELL B C, WARD R H, FAIRWEATHER D V I, and PETROU M Trophoblast sampling in early pregnancy; evaluation of an endocervical aspiration biopsy technique 302 *abst*
HOUGHTON J A *see* TOMKINS P T *et al*
HOWELL R T *see* MCDERMOTT A *et al*
HREIDARSSON S J and STAMBERG J Distal monosomy 14 not associated with ring formation: case report 147
HULTÉN M *see* SAADALLAH N and HULTÉN M
HULTÉN M A *see* DOCHERTY Z *et al*
TSUI Y-C *et al*
HULTQUIST D E *see* DALY J S *et al*
HUNTER A Craniosynostosis: correspondence 154
HUNTER A G W, MACDONALD J, and EVANS J A Absence of the fragile X in a group of patients with idiopathic mental retardation: correspondence 314
HUQ A *see* VERMA R S *et al*
HURST D L Metatarsus adductus in two brothers with Aarskog syndrome: short report 477
IDLE J R *see* EVANS D A P *et al*
JACK E M *see* HARRISON C J *et al*
JACKSON J *see* DAVIES K E *et al*
JAMES W H The cause(s) of neural tube defect: correspondence 314
KALTER S *see* BARNES R D *et al*
KAPLAN P X linked recessive inheritance of agenesis of the corpus callosum 122
KARDON N B, POLLACK L, DAVIS J, BROEKMAN A, and KRAUSS M De novo duplication of the 7q11 →q22 region: case report 471
KATSUSHIMA N *see* NAKAI H *et al*
KATZNELSON M B M *see* AVNI A *et al*
KELLEY R I, BORNS P F, NICHOLS D, and ZACKAI E H Osteoglophonic dwarfism in two generations 436
KENNAUGH A A *see* MANN J R *et al*
KENNAUGH J M *see* WILSON W G *et al*
KERR A *see* ROMAIN D R *et al*
KHAN A K A, NURAZZAMAN M, and TRUELOVE S C The effect of the acetylator phenotype on the metabolism of sulphasalazine in man 30
KHAYAT H EL- *see* EL-KHAYAT H *et al*
KIMBERLING W J *see* LYNCH H T *et al*
KINGSTON H M and HARPER P S Genetic linkage between Becker muscular dystrophy and polymorphic DNA probes on the short arm of the X chromosome 454 *abst*
THOMAS N S T, PEARSON P L, SARFARAZI M, and HARPER P S Genetic linkage between Becker muscular dystrophy and a polymorphic DNA sequence on the short arm of the X chromosome 255
KIRSCH-VOLDERS M *see* MAES A *et al*
KITSIOU-TZELI S, DELLAGRAMMATICAS H D, PAPAS C B, LADAS I D, and BARTSOCAS C S Unusual ocular findings in an infant with cri-du-chat syndrome: case report 304
KNUUTILA S, LEISTI J, SALUNEN R, and ROSSI L Two chromosome fragments in a child with Down's syndrome and transient chromosome aberrations in the mother: short report 232
KOLLASCHINSKI H *see* GRIMM T *et al*
KOSZTOLÁNYI G and TRIXLER M Yq deletion with short stature, abnormal male development, and schizoid character disorder: case report 393
KRAUSS M *see* KARDON N B *et al*
KUGLER J P *see* WILSON W G *et al*
LAĆA Z *see* MORIĆ-PETROVIĆ S and LAĆA Z
LADAS I D *see* KITSIOU-TZELI S *et al*
LANE R J M, ROBINOW M, and ROSES A D The genetic status of mothers of isolated cases of Duchenne muscular distrophy 1
LAURENCE K M *see* CARTER J and LAURENCE K M
LLOYD J and LAURENCE K M
LAUWERS M C *see* MAES A *et al*
LEE M *see* BUCKTON K E *et al*
LEEPER J *see* HORWELL D H *et al*
LEHMANN H *see* LORKIN P A and LEHMANN H
LEISTI J *see* KNUUTILA S *et al*
LEROY J G *see* VAN ROY B C *et al*

LESTRADET H *see* DESCHAMPS I *et al*
LINDHOUT D *see* HEIMANS J J and LINDHOUT D
LINDSAY K *see* WILLIAMSON E M *et al*
LIPPMAN-HAND A *see* FRASER F C *et al*
LLOYD J and LAURENCE K M The reaction to termination of pregnancy for genetic reasons 458 *abst*
LOEFFLER F E *see* HORWELL D H *et al*
LONOCE A *see* GUANTI G *et al*
LORKIN P A and LEHMANN H Investigation of malignant hyperthermia: analysis of skeletal muscle proteins from normal and halothane sensitive pigs by two dimensional gel electrophoresis 18
LOWRY R B and BOUVET J-P Familial Poland anomaly: correspondence 152
LUCARINI N *see* BOTTINI E *et al*
LYNCH H T, FUSARO R M, ALBANO W A, PESTER J, KIMBERLING W J, and LYNCH J F Phenotypic variation in the familial atypical multiple mole-melanoma syndrome (FAMMM) 25
KIMBERLING W J, LYNCH J F, and DANES B S Familial atypical multiple mole-melanoma (FAMMM) syndrome: segregation analysis 342
LYNCH J F *see* LYNCH H T *et al*

MCALLION S *see* PATERSON C R *et al*
MCALLISTER E *see* OWENS J R *et al*
MCCRAE F C *see* DAVID T J *et al*
MCCULLOCH A J, CLARK F, and STEELE N R Graves' disease and Down's syndrome: case report 133
MCDERMOTT A, WALTERS R, HOWELL R T, and GARDNER A Fragile X chromosome: clinical and cytogenetic studies on cases from seven families 169
MACDONALD J *see* HUNTER A G W *et al*
MAES A, STAESSEN C, HENS L, VAMOS E, KIRSCH-VOLDERS M, LAUWERS M C, DEFRISE-GUSSENHOVEN E, and SUSANNE C C heterochromatin variation in couples with recurrent early abortions 350
MAGNUS R, ROGERS J G, and HAAN E A Does sacral agenesis predispose to spina bifida? correspondence 313
MAHADEVAN P R *see* MISTRY N F *et al*
MAIONE S *see* STRISCIUGLIO P *et al*
MALDOFF S R *see* FRASER F C *et al*
MANN J R, CORKERY J J, FISHER H J W, CAMERON A H, MAYEROVÁ A, WOLF U, KENNAUGH A A, and WOOLLEY V The X linked recessive form of XY gonadal dysgenesis with a high incidence of gonadal germ cell tumours: clinical and genetic studies 264
MARCO A DEL *see* DEL MARCO A
MARCUCCI L *see* ANTONELLI A *et al*
MARSTON J *see* BARNES R D *et al*
MARTIN A O *see* VERP M S *et al*
MARTIN N *see* BURN J and MARTIN N
MASHIACH S *see* SHALEV J *et al*
MATTEI J-F and AYMÉ S Syndrome of polydactyly, cleft lip, lingual hamartomas, renal hypoplasia, hearing loss, and psychomotor retardation: variant of the Mohr syndrome or a new syndrome? 433
MATTHEWS K B *see* WINTER R M *et al*
MAUR P A DER *see* DER MAUR P A
MAY H M *see* FERGUSON-SMITH M A *et al*
MAYEROVÁ A *see* MANN J R *et al*
MELE B VAN *see* VAN MELE B
MELIS M A *see* GALANELLO R *et al*
MEO A DI *see* DI MEO A
MEREDITH L *see* DAVIES K E *et al*
MERLOB P *see* SIVAN Y *et al*
MÉTNEKI J *see* CZEIZEL A and MÉTNEKI J
MIKKELSEN M *see* HAUKSDÓTTIR H *et al*
MILLARD P R *see* DEL POZO B C and MILLARD P R
MILLER J F *see* WILLIAMSON E M *et al*
MILLER R *see* PATERSON C R *et al*
MIRANDA J L G, GÓMEZ A O, ANSEDES H V, TORRES N R, ESPINOSA C G, CORTABARRÍA C, and SALGADO G S Monosomy 22 with humoral immunodeficiency: is there an immunoglobulin chain deficit? case report 69
MISTRY N F, BIRDI T J, MAHADEVAN P R, and ANTIA N A Fc receptor and macrophage lymphocyte interaction (IA): possible human monocyte/macrophage genetic markers indicating susceptibility to leprosy 455 *abst*
MODELL B C *see* HORWELL D H *et al*
MOI P *see* GALANELLO R *et al*
MONROE P *see* VEKEMANS M *et al*
MORGANTE A M VIANNA- *see* VIANNA-MORGANTE A M
MORIĆ-PETROVIĆ S and LAĆA Z A father and daughter with fragile X chromosome: short report 476
MORSMAN J M *see* GOSDEN J R *et al*
MURRAY J M *see* HARPER P S *et al*
O'BRIEN T *et al*
MUSUMECI S, ROMEO M A, PIZZAŕELLI G, SCHILIRÒ G, and RUSSO G δβ-thalassaemia in Sicily: report of a case of double heterozygosity for Aγ δβ-thalassaemia and AγGγ δβ-thalassaemia: case report 73
MUTTON D E *see* FEAR C N *et al*
MYERS R H *see* SUDARSKY L *et al*

NAGUIB K *see* AL-AWADI S A *et al*
NAKAI H, ADACHI M, KATSUSHIMA N, YAMAZAKI N, SAKAMOTO M, and TADA K Ring chromosome 10 and its clinical features: case report 142
NAVON R *see* SHALEV J *et al*
NEVILLE B G *see* CRAWFORD D C *et al*
NEVIN J *see* NEVIN N C *et al*
NEVIN N C, NEVIN J, DUNLOP J M, and GRAY M Antenatal detection of grossly distended bladder owing to absence of the urethra in a fetus with trisomy 18: case report 132
NEWCOMBE R G *see* WALKER D A *et al*
NEWTON M S *see* VIJAYALAXMI *et al*
NICHOLLS A C *see* POPE F M *et al*
NICHOLS D *see* KELLEY R I *et al*
NICOTRA M *see* BOTTINI E *et al*
NURAZZAMAN M *see* KHAN A K A *et al*
NURSE G T *see* PENKETH R J A *et al*

O'BRIEN T Genotype prediction and gene mapping in myotonic dystrophy 456 *abst*

HARPER P S, DAVIES K E, MURRAY J M, SARFARAZI M, and WILLIAMSON R Absence of genetic heterogeneity in Duchenne muscular dystrophy shown by a linkage study using two cloned DNA sequences 249
see also HARPER P S *et al*
O'HARE E *see* FERGUSON-SMITH M A *et al*
OHDO S, HIRAYAMA K, and TERAWAKI T Association of ectodermal dysplasia, ectrodactyly, and macular dystrophy: the EEM syndrome 52
ORYE E, BENOIT Y, and VAN MELE B Complete trisomy 5p owing to de novo translocation t(5;22)(q11;p11) with isochromosome 5p associated with a familial pericentric inversion of chromosome 2, inv 2(p21q11): case report 394
and VAN BEVER H Paracentric inversions: two new familial cases, inv (7)(q22q11) and inv (11)(q23q13): short report 231
OTHMAN S AL- *see* AL-OTHMAN S
OWENS J R, HARRIS F, WALKER S, MCALLISTER E, and WEST L The incidence of Down's syndrome over a 19-year period with special reference to maternal age 90

PAGLIETTI E *see* GALANELLO R *et al*
PAPAS C B *see* KITSIOU-TZELI S *et al*
PAPIHA S S, AGARWAL S S, and WHITE I Association between phosphoglucomutase (PGM_1) and group-specific component (Gc) subtypes and tuberculosis 220
PARFITT R G *see* ROMAIN D R *et al*
PARRY D M *see* SPENCE M A *et al*
PASCONE R *see* BOTTINI E *et al*
PASSARGE E and SCHMIDT A The outcome of pregnancy following unexpected chromosomal changes 302 *abst*
PATERSON C R, MCALLION S, and MILLER R Heterogeneity of osteogenesis imperfecta type I 203
PATRICK A D *see* RODECK C H *et al*
PEARSON P *see* HARPER P S *et al*
PEARSON P L *see* KINGSTON H M *et al*
PECILE V *see* FILIPPI G *et al*
PEMBREY M E, DAVIES K E, ELLIS R G, WILLIAMSON R, FAZZONE T A, WALKER C, and WINTER R M Clinical use of DNA probes linked to the Duchenne muscular dystrophy (DMD) locus 454 *abst*
PEMBREY M E *see* RODECK C H *et al*
PENKETH R J A, GIBNEY S F A, NURSE G T, and HOPKINSON D A Acetylator phenotypes in Papua New Guinea 37
PENTLAND B *see* VIJAYALAXMI *et al*
PESTER J *see* LYNCH H T *et al*
PETRINELLI P *see* ANTONELLI A *et al*
PETROU M *see* HORWELL D H *et al*
PETROVIĆ S MORIĆ- *see* MORIĆ-PETROVIĆ S
PFEIFER U *see* GRIMM T *et al*
PIESOWICZ A T *see* BARAITSER M *et al*
PIETRAPERTOSA A *see* GUANTI G *et al*
PIRASTU M *see* GALANELLO R *et al*
PIZZARELLI G *see* MUSUMECI S *et al*
POLIMENO G *see* GUANTI G *et al*
POLLACK L *see* KARDON N B *et al*
POPE F M, GROSVELD F G, and NICHOLLS A C Intra- or extragenic deletions are associated with Ehlers-Danlos syndrome type II and broad boned lethal osteogenesis imperfecta 455 *abst*
POPOVICH B *see* VEKEMANS M *et al*
POTTINGER B E *see* BARNES R D *et al*
POZO B C DEL *see* DEL POZO B C
PRATT N R and BULUGAHAPITIYA D T D Partial trisomy 12q: a clinically recognisable syndrome. Genetic risks associated with translocations of chromosome 12q 86
PRICE W H and WILSON J Dissection of the aorta in Turner's syndrome 61
PRIETO F and BADIA L Adjacent 2 translocation involving 13q and 21q: correspondence 155

RAES R A *see* VAN ROY B C *et al*
RAFAEL Z BEN- *see* BEN-RAFAEL Z
RAIA V *see* STRISCIUGLIO P *et al*
RAINOSEK D E *see* YOUNG R S *et al*
RAPPAPORT S *see* CHEMKE J *et al*
REISNER S H *see* AVNI A *et al*
SIVAN Y *et al*
REYNOLDS J F *see* WILSON W G *et al*
RICHARDS B *see* CARTWRIGHT R A *et al*
RICHIERI-COSTA A *see* BATISTA D A S *et al*
RINALDI E *see* STRISCIUGLIO P *et al*
RITCHIE J *see* EVANS D A P *et al*
ROBINOW M *see* LANE R J M *et al*
ROBINSON M R G *see* CARTWRIGHT R A *et al*
ROCCHI M *see* FILIPPI G *et al*
RODECK C H, PATRICK A D, and PEMBREY M E The potential use of fetal liver biopsy 302 *abst*
see also GOSDEN J R *et al*
RODRIGUEZ J *see* SHAH J V *et al*
ROGERS J G *see* MAGNUS R *et al*
ROMAIN D R, COLUMBANO-GREEN L M, SMYTHE R H, PARFITT R G, GEBBIE O, CHAPMAN C J, and WALL M Partial trisomy 14q24→qter: case report 466
GEBBIE O B, PARFITT R G, COLUMBANO-GREEN L M, SMYTHE R H, CHAPMAN C J, and KERR A Two cases of ring chromosome 11 380
and SULLIVAN J Delineation of trisomy 9 syndrome: correspondence 156
ROMEO M A *see* MUSUMECI S *et al*
ROSA C DE *see* DE ROSA C
ROSENBLATT D *see* VEKEMANS M *et al*
ROSES A D *see* LANE R J M *et al*
ROSSI L *see* KNUUTILA S *et al*
ROY B C VAN *see* VAN ROY B C
RUBENSTEIN A E *see* SPENCE M A *et al*
RUCKNAGEL D L *see* DALY J S *et al*
RUOPPO S *see* STABILE M *et al*
RUSSO G *see* MUSUMECI S *et al*

SAADALLAH N and HULTÉN M Chiasma distribution, genetic lengths, and recombination fractions: a comparison between chromosomes 15 and 16 290
SAITO T Evaluation of segregation ratio in Wilson's disease 271
SAKAMOTO M *see* NAKAI H *et al*
SAKATI N A *see* WOODHOUSE N J Y and SAKATI N A
SALGADO G S *see* MIRANDA J L G *et al*
SALUNEN R *see* KNUUTILA S *et al*
SANDBANK U *see* GADOTH N and SANDBANK U

SANT-CASSIA L J and COOKE P Chromosomal analysis of couples with repeated spontaneous abortions 300 *abst*
SARFARAZI M *see* DAVIES K E *et al*
KINGSTON H M *et al*
O'BRIEN T *et al*
SCHILIRÒ G *see* MUSUMECI S *et al*
SCHINDLER D *see* GRIMM T *et al*
SCHINZEL A, WOODTLI M, and BURCK U Acrocephalosyndactyly of non-Apert (I) type: how many different genetic entities? 456 *abst*
SCHMID M *see* DESCHAMPS I *et al*
SCHMIDT A *see* PASSARGE E and SCHMIDT A
SCOTT C I *see* HERR H M *et al*
SCRIMGEOUR E M Huntington's disease and leprosy in a New Guinea Highlander 412
SEBASTIO G *see* STRISCIUGLIO P *et al*
SELLARS S L *see* VILJOEN D L *et al*
SELLER M J The cause of neural tube defects: some experiments and a hypothesis 164, 458 *abst*
SHAH J V, VERMA R S, RODRIGUEZ J, and DOSIK H A simple technique for obtaining prometaphase chromosomes from lymphocytes: technical note 452
SHALEV J, BEN-RAFAEL Z, GOLDMAN B, ENGELBERG I, and MASHIACH S Mid-trimester diagnosis of bladder neck obstruction by ultrasound and paracentesis: case report 223
NAVON R, URBACH D, MASHIACH S, and GOLDMAN B Intestinal obstruction and cystic fibrosis: antenatal ultrasound appearance: case report 229
SHAPIRO S D *see* YOUNG R S *et al*
SHAWE D J, FEAR C, and APPLEYARD W J A child with partial trisomy of chromosome 17 and partial monosomy of chromosome 3: 46,XY,der(3),t(3;17)(p25;q23): case report 383
SIMPSON J L *see* VERP M S *et al*
SIVAN Y, MERLOB P, and REISNER S H Assessment of ear length and low set ears in newborn infants 213
Philtrum length and intercommissural distance in newborn infants 130
SMEDT M C DE *see* DE SMEDT M C
SMITH A and DEN DULK G Proximal 15q monosomy: correspondence 233
see also HANDELSMAN D J and SMITH A
SMITH M A FERGUSON- *see* FERGUSON-SMITH M A
SMITH R L *see* EVANS D A P *et al*
SMYTHE R H *see* ROMAIN D R *et al*
SORRENTINO V *see* STABILE M *et al*
SPARKES R S *see* SPENCE M A *et al*
SPENCE M A, BADER J L, PARRY D M, FIELD L L, FUNDERBURK S J, RUBENSTEIN A E, GILMAN P A, and SPARKES R S Linkage analysis of neurofibromatosis (von Recklinghausen disease) 334
STABILE M, AMORIELLO A, CAPOBIANCO S, CAVALIERE M L, CONTE N, DE ROSA C, RUOPPO S, SORRENTINO V, and VENTRUTO V Study of a form of pulverulent cataract in a large kindred 419
STAESSEN C *see* MAES A *et al*
STAMBERG J *see* HREIDARSSON S J and STAMBERG J
STEEL C M *see* VIJAYALAXMI *et al*
STEELE N R *see* MCCULLOCH A J *et al*
STEINARSDÓTTIR M *see* HAUKSDÓTTIR H *et al*
STRISCIUGLIO P, RAIA V, DI MEO A, RINALDI E, and ANDRIA G Wildervanck's syndrome with bilateral subluxation of lens and facial paralysis: case report 72
SEBASTIO G, ANDRIA G, MAIONE S, and RAIA V Severe cardiac anomalies in sibs with Larsen syndrome 422
SUDARSKY L, MYERS R H, and WALSHE T M Huntington's disease in monozygotic twins reared apart 408
SULLIVAN J *see* ROMAIN D R and SULLIVAN J
SUNDARESHAN T S *see* AL-AWADI S A *et al*
SUNDERLAND E *see* CARTWRIGHT R A *et al*
SUSANNE C *see* MAES A *et al*
SWANSON V *see* TURKEL S B *et al*

TADA K *see* NAKAI H *et al*
TAHAN H EL- *see* EL-TAHAN H
TANNOIA N *see* GUANTI G *et al*
TEEBI A *see* AL-AWADI S A *et al*
TERAWAKI T *see* OHDO S *et al*
THOMAS N S T *see* KINGSTON H M *et al*
THOMPSON W Genetic aspects of infertility (with special reference to AID) 300 *abst*
TOBLER R *see* GENČÍK A *et al*
TOMKINS P T, CARROLL C, WALSH S, and HOUGHTON J A The use of interspecific in vitro fertilisation for the visualisation of the chromosomes of human sperm 457 *abst*
TORRES N R *see* MIRANDA J L G *et al*
TOWNER J W *see* TURKEL S B *et al*
TRIXLER M *see* KOSZTOLÁNYI G and TRIXLER M
TROST-BRINKHUES G *see* HABEDANK M and TROST-BRINKHUES G
TRUELOVE S C *see* KHAN A K A *et al*
TSUI Y-C, CREASY M R, and HULTÉN M A The effect of the male contraceptive agent Gossypol on human lymphocytes in vitro: traditional chromosome breakage, micronuclei, sister chromatid exchange, and cell kinetics 81
TUCKER S H *see* EMANUEL B S *et al*
TUDDENHAM E G D *see* WINTER R M *et al*
TURKEL S B, EBBIN A J, and TOWNER J W Additional manifestations of the Neu-Laxova syndrome: case report 227
SWANSON V, and CHANDRASOMA P Malformations associated with congenital absence of the gall bladder 445
TYLER A and HARPER P S Attitudes of subjects at risk and their relatives towards genetic counselling in Huntington's chorea 179
TYNAN M *see* CRAWFORD D C *et al*
TZELI S KITSIOU- *see* KITSIOU-TZELI S

URBACH D *see* SHALEV J *et al*

VAMOS E *see* MAES A *et al*
VAN BEVER H *see* ORYE E and VAN BEVER H
VAN MELE B *see* ORYE E *et al*
VAN ROY B C, DE SMEDT M C, RAES R A, DUMON J E, and LEROY J G Fragile X trait in a large kindred: transmission also through normal males 286
VANĚK J Spondyloperipheral dysplasia 117
VEKEMANS M, POPOVICH B, ROSENBLATT D, and MONROE P Chromosomal breakage in normal and fragile X subjects using low folate culture conditions 404

VENTRUTO V *see* STABILE M *et al*
VERMA R S, HUQ A, and DOSIK H Racial variation of a non-fluorescent segment of the Y chromosome in East Indians 102
see also DOSIK D and VERMA R S
SHAH J V *et al*
VERP M S, SIMPSON J L, and MARTIN A O Hypostatic ulcers in 47,XXY Klinefelter's syndrome 100
VIANNA-MORGANTE A M *see* BATISTA D A S *et al*
VIJAYALAXMI, NEWTON M S, STEEL C M, EVANS H J, and PENTLAND B Spontaneous and mutagen induced sister chromatid exchange in multiple sclerosis 372
VILJOEN D L, SELLARS S L, and BEIGHTON P Familial aggregation of streptomycin ototoxicity: autosomal dominant inheritance? 357
VOLDERS M KIRSCH- *see* KIRSCH-VOLDERS M
VOUTSINAS S and WYNNE-DAVIES R The infrequency of malignant disease in diaphyseal aclasis and neurofibromatosis 345

WALKER C *see* PEMBREY M E *et al*
WALKER D A, HARPER P S, NEWCOMBE R G, and DAVIES K Huntington's chorea in South Wales: mutation, fertility, and genetic fitness 12
WALKER S *see* OWENS J R *et al*
WALL M *see* ROMAIN D R *et al*
WALSH S *see* TOMKINS P T *et al*
WALSHE T M *see* SUDARSKY L *et al*
WALTERS R *see* MCDERMOTT A *et al*
WARD R H *see* HORWELL D H *et al*
WARD R H T *see* BARNES R D *et al*
WARRELL D W *see* DONNAI D and WARRELL D W
WATT J L and COUZIN D A De novo translocation heterozygote with three reciprocal translocations: case report 385
see also COUZIN D A *et al*
WEST A, WILLIAMSON E, and DENNIS N A prospective view of genetic counselling 301 *abst*
WEST L *see* OWENS J R *et al*
WHALLEY L J *see* BUCKTON K E *et al*
WHIBLEY E J *see* EVANS D A P *et al*
WHITE I *see* PAPIHA S S *et al*
WILLCOX M The haemoglobin pattern of sickle cell and haemoglobin C β⁺-thalassaemia in Liberia 430
WILLIAMS E M and HARPER P S Early genetic counselling and its effect on amniocentesis referral 301 *abst*
WILLIAMSON E *see* WEST A *et al*
WILLIAMSON E M, MILLER J F, and LINDSAY K Early conceptual loss in women at added risk of bearing abnormal offspring 458 *abst*
WILLIAMSON R *see* DAVIES K E *et al*
HARPER P S *et al*
O'BRIEN T *et al*
PEMBREY M E *et al*
WILSON J *see* PRICE W H and WILSON J
WILSON W G, KENNAUGH J M, KUGLER J P, and REYNOLDS J F Agenesis of the corpus callosum in two brothers 416
and WYANDT H E Reciprocal translocation 14q;21q in a patient with the Brachmann-de Lange syndrome: case report 469
WILUNSKY E *see* AVNI A *et al*
WINTER R M and BARAITSER M A computerised data base for the diagnosis of dysmorphic syndromes 455 *abst*
TUDDENHAM E G D, GOLDMAN E, and MATTHEWS K B A maximum likelihood estimate of the sex ratio of mutation rates in haemophilia A 456 *abst*
see also PEMBREY M E *et al*
WOLF U *see* MANN J R *et al*
WOODHOUSE N J Y and SAKATI N A A syndrome of hypogonadism, alopecia, diabetes mellitus, mental retardation, deafness, and ECG abnormalities 216
WOODTLI M *see* SCHINZEL A *et al*
WOOLLEY V *see* MANN J R *et al*
WYANDT H E *see* WILSON W G *et al*
WYNNE-DAVIES R *see* VOUTSINAS S and WYNNE-DAVIES R

YAMAZAKI N *see* NAKAI H *et al*
YATES J R W and FERGUSON-SMITH M A No evidence for a paternal age effect on the frequency of trisomy 21 at amniocentesis in 13 300 pregnancies: an analysis of data from a European collaborative study 457 *abst*
YOUNG I D A case of the G syndrome: short report 150
YOUNG R S, SHAPIRO S D, HANSEN K L, HINE L K, RAINOSEK D E, and GUERRA F A Deletion 2q: two new cases with karyotypes 46,XY, del(2)(q31q33) and 46,XX,del(2)(q36) 199

ZACKAI E H *see* EMANUEL B S *et al*
KELLY R I *et al*

SUBJECT INDEX TO VOLUME 20

Note: All notices for conferences, symposia, and meetings are under one heading: ANNOUNCEMENTS

Aarskog syndrome, metatarsus adductus in, two brothers: short report 477

Abortions
- early, recurrent, and C heterochromatin variation 350
- spontaneous, immunogenetics 242 *abst*
- repeated, chromosomal analysis of couples 300 *abst*

Acetylator phenotypes
- association with bladder cancer 330
- effect on metabolism of sulphasalazine, man 30
- in Papua New Guinea 37

Acquired immune deficiency, with special reference to genetic aspects of infertility 300 *abst*

Acrocephalosyndactyly of non-Apert type, number of different genetic entities 456 *abst*

Alopecia/mental retardation syndrome: case report 64

Alphafetoprotein
- hereditary persistence, new autosomal dominant trait identified in antenatal screening programme for spina bifida 458 *abst*
- screening, maternal serum, impact on antenatal diagnosis 301 *abst*

Alzheimer's presenile dementia, chromosome changes 46

Amegakaryocytic thrombocytopenia, new X linked variety: constitutional aplastic anaemia 361

Amniocentesis referral, and early genetic counselling 301 *abst*

Anencephaly, congenital malformations associated with, Fylde peninsula of Lancashire 338

ANNOUNCEMENTS
- 12th Annual Meeting of European Working Group for Cystic Fibrosis 319
- First International Symposium on Reproductive Medicine, Houston, October 1984 319
- Human Genetic Mutant Cell Repository 80
- London School of Hygiene and Tropical Medicine, Diploma in human and clinical genetics 160
- Marie Stopes Research Fund 400
- 1983 National Society of Genetic Counsellors Education Conference 80
- Twentieth Congress of the International Society of Haematology, Buenos Aires, September 1984 320
- Xeroderma pigmentosum registry 319

Antenatal screening and diagnosis, legal implications 302 *abst*

Aorta, dissection, in Turner's syndrome 61, Correction 222

Aplastic anaemia, constitutional, family with new X linked variety of amegakaryocytic thrombocytopenia 361

Apolipoprotein B detected in plasma in homozygous hypobetalipoproteinaemia 189

Art, genetics in 456 *abst*

Azoospermia with translocation t(1;20) (q21;q13): short report 151

Becker muscular dystrophy, *see* Muscular dystrophy, Becker

Bees, honey, discriminate between full and half-sisters 401 *abst*

Bladder
- cancer, association with slow acetylator phenotype 330
- and molecular biology 162 *abst*
- ten genetic polymorphisms 112
- grossly distended, antenatal detection, caused by urethra absence in trisomy 17 fetus: case report 132
- neck obstruction, mid-trimester diagnosis by ultrasound, and paracentesis: case report 223

BOOK REVIEWS
- BARAITSER M The genetics of neurological disorders. Oxford monographs on medical genetics No 9, 1982 236
- BROCK D J H Early diagnosis of fetal defects. Current reviews in obstetrics and gynaecology 2, 1982 318
- CHALMERS R A and LAWSON A M Organic acids in man. The analytical chemistry, biochemistry and diagnosis of the organic acidurias, 1982 159
- DAENTL D L *editor*: Clinical, structural, and biochemical advances in hereditary eye disorders. Progress in clinical and biological research, volume 82, 1982 159
- DESNICK R J, PATTERSON D F, and SCARPELLI D G *editors*: Animal models of inherited metabolic diseases. Progress in clinical and biological research, volume 94, 1982 317
- DUTRILLAUX B and COUTURIER J La pratique de l'analyse chromosomique, 1981 236
- GREEN M C *editor*: Genetic variants and strains of the laboratory mouse, 1981 317
- HARRIES J T *editor*: Familial inherited abnormalities. Clinics in gastroenterology, volume 11, No 1, 1982 316
- HAYDEN M R Huntington's chorea, 1981 158
- HORAN F and BEIGHTON P Orthopaedic problems in inherited skeletal disorders, 1982 237
- NYHAN W L and JONES K L *editors*: Prenatal diagnosis and mechanisms of teratogenesis. Birth defects: Original article series, volume 18, No 3A, 1982 479

  Dysmorphology. Birth defects: Original article series, volume, 18, no 3B, 1982 479
- PARHAM P and STROMINGER J *editors*: Histocompatibility antigens. Structure and function. Receptors and recognition series B, volume 14, 1982 316
- PAUL W E, FATHMAN C G, and METZGER H *editors*: Annual review of immunology, volume 1, 1983 480

SANDBERG A A *editor*: Sister chromatid exchange. Progress and topics in cytogenetics, volume 2, 1982 238
WHITEHOUSE H L K Genetic recombination. Understanding the mechanisms, 1982 317
WILLEY A M, CARTER T P, KELLY S, and PORTER I H *editors*: Clinical genetics: problems in diagnosis and counselling, 1982 237
WILLIAMSON R *editor*: Genetic engineering 3, 1982 239
Brachydactyly type C, recessively inherited 128
Brachmann-de Lange syndrome with reciprocal translocation 14q;21q: case report 469

C heterochromatin variation in recurrent early abortions 350
Calcification, intracranial, and microcephaly in two brothers 210
Camptodactyly/ichthyosis, windmill-vane, recessively inherited in brother and sister 125
Cancer
and immortality 161 *abst*
infectious 402 *abst*
see also specific regions and organs
Cardiac anomalies, severe, in sibs with Larsen syndrome 422
Cataract
presenile 162 *abst*
pulverulent, form in large kindred 419
Cerebral tumour, malignant, with hereditary costovertebral dysplasia 441
Charcot-Marie-Tooth disease: correspondence 77
Chiasma distribution, genetic lengths and recombination fractions, chromosome 15 and 16 compared 290
Chondrodystrophies, obstetric and gynaecological problems 300 *abst*
Chorionic villi
used for fetal-gene analysis, absence of maternal contamination 402 *abst*
biopsies in first trimester, fetal sex determination using specific DNA probes and karyotype analysis from 454
Chromosome abnormalities
analysis of couples with repeated spontaneous abortions 300 *abst*
in human embryos after in vitro fertilisation 402 *abst*
in Alzheimer's presenile dementia 46
prometaphase, simple technique for obtaining from lymphocytes: technical note 452
transient aberrations in mother of Down's syndrome child with two chromosome fragments: short report 232
unexpected changes, outcome of pregnancy following 302 *abst*
1, 9, 16, and Y, C heterochromatin variation in couples with recurrent early abortions 350
translocation, balanced reciprocal 1:12 in familial hypogonadism: short report 478
t(1;20) (q21;q13) in an azoospermic man: short report 151
2 del(2)(q31;q33): case report 464
(p21q11) with de novo translocation and isochromosome 5p: case report 394
7, de novo duplication 7q11→q22 region: case report 471
inversions, paracentric, inv (7)(q22q11) and inv (11) (q23q13): short report 231
8p21→pter, trisomy, owing to a familial translocation: case report 68
9p, tetrasomy, confirmed by GALT: case report 396
trisomy 9 syndrome, delineation: correspondence 156
10, ring, clinical features: case report 142
short arms, partial monosomy 107
11, ring, two cases 380
12q, partial trisomy, familial translocation chromosome 12q 86
13, pericentric inversion: correspondence 154
14, distal monosomy not associated with ring formation: case report 147
translocation, reciprocal 14q;21q in Brachmann-de Lange syndrome: case report 469
trisomy, partial 14q24→qter: case report 466
15, and 16 compared, chiasma distribution, genetic lengths, and recombination fractions 290
duplication de novo interstitial direct, 15q: 46,XY,dir dup(15)(pter→q24::q14→q21.1::q24→qter): case report 473
proximal 15q monosomy: correspondence 233
17 dicentric, 17p11→cen: case report 138
partial trisomy, and partial monosomy of chromosome 3: 46,XY,der(3),t(3;17)(p25;q23): case report 383
monosomy 18p and pure trisomy 18p with translocation (7;18) 377
tetrasomy 18p: tentative delineation of a syndrome: case report 144
trisomy 18 mosaicism, aberrant melanoblast migration associated with: case report 135
19 sequences, and myotonic dystrophy, linkage analysis 259
monosomy 22 with humoral immunodeficiency, possibility of immunoglobulin chain deficit: case report 69
X, fragile, *see* Fragile X syndrome
Xp21 location of Duchenne muscular dystrophy: case report 461
replication patterns of X;9 balanced translocation: case report 467
and Y, spatial relationship at somatic metaphase 450
Y, racial variation of non-fluorescent segment, East Indians 102
Y linked gene and gene on X 402 *abst*
Yq deletion with short stature, abnormal male development and schizoid character disorder: case report 393
46,XY, X linked recessive form of XY gonadal dysgenesis with high incidence of gonadal germ cell tumours 264
46,XY,del(2)(q31q33) and 46,XX,del(2)(q36) 199
46,XY,t(2;4;7)(7;8)(q14;q31;q11q22;q13): case report 389
Clinical Genetics Society meeting, Cambridge, April 1983, abstracts 454
Complement 3 gene probe in linkage analysis of myotonic dystrophy and chromosome 19 sequences 259
Conceptual loss, early, in women at added risk of bearing abnormal offspring 458 *abst*
Congenital abnormalities, multiple, unidentified, empirical recurrence risk after 367
Consanguineous matings in Egyptian populations 58
Corpus callosum, agenesis two brothers 416
X linked recessive inheritance 122
CORRESPONDENCE
Absence of the fragile X in a group of patients with idiopathic mental retardation 314
Cause(s) of neural tube defect 314

Charcot-Marie-Tooth disease 77
Craniosynostosis 154
Delineation of trisomy 9 syndrome 156
Does sacral agenesis predispose to spina bifida 313
Evidence against a female specific class of neural tube defect 78
Familial Poland anomaly 152
Interstitial duplication/deletion owing to unequal crossing-over in association with pericentric inversion 234
New mutations in Huntington's chorea 76
Pericentric inversion of chromosome 13 154
Proximal 15q monosomy 233
Pyloric stenosis: children vs sibs 155
Serum gonadotrophins in Down's syndrome 233
Costovertebral dysplasia, hereditary, with malignant cerebral tumour 441
Craniosynostosis: correspondence 154
Cri-du-chat syndrome, unusual ocular findings: case report 304
Cystic fibrosis
antenatal diagnosis, use of microvillar peptidase activity in amniotic fluid 457 *abst*
errors in diagnosis 162 *abst*
and intestinal obstruction, antenatal ultrasound appearance: case report 229

Debrisoquine and sparteine metabolism, genetic control 321
Deletions
2q, new cases 46,XY,del(2)(q31q33) and 46,XX,del(2)(q36) 199
chromosome 2 del(2)(q31q33): case report 464
/duplication, interstitial and pericentric inversion: correspondence 234
Yq with short stature, abnormal male development, and schizoid character disorder: case report 393
Diabetes mellitus, insulin-dependent, HLA-DR2 in two sibships with 365
Diaphyseal aclasis and neurofibromatosis, infrequency of malignant disease in 345
Distal arthrogryposis, facial immobility and generalised ichthyosis, in brother and sister 125
DNA
parasitic 403 *abst*
polymorphisms and Becker muscular dystrophy, genetic linkage 255
for genotype predictions in Duchenne muscular dystrophy 252
probes and karyotype analysis from chorionic villus biopsies in first trimester in fetal sex determination 454 *abst*
Dorsal root ganglia, involvement in Fabry's disease: case report 309
Down's syndrome
and Grave's disease: case report 133
incidence over 19-year period, and maternal age 90
serum gonadotrophins: correspondence 233
in twins of unlike sex 94
two chromosome fragments in child, and transient chromosome aberrations in mother: short report 232
Duchenne muscular dystrophy, *see* Muscular dystrophy, Duchenne
Duplication
/deletion, interstitial and pericentric inversion: correspondence 234
de novo of 7q11 →q22 region: case report 471
de novo interstitial direct, 15q:46,XY,dir dup(15)(pter →q24::q14 →q21.1::q24 →qter) 473
Dupuytren's contracture 162 *abst*
cytogenetic abnormalities 241 *abst*
Dwarfism, osteoglophonic, in two generations 436
Dysmorphic syndrome, diagnosis, computerised data base 455 *abst*

Ear length, assessment, and low set ears in newborn infants 213
Ectodermal dysplasia, ectodactyly, and macular dystrophy 52
Editorial committee, report of meeting 161
EEM syndrome, ectodermal dysplasia, ectrodactyly, macular dystrophy 52
Egyptian population, consanguineous matings 58
Ehlers-Danlos syndrome type II and broad boned lethal osteogenesis imperfecta, intra- or extragenic deletions 455 *abst*
Embryology, rules for 401 *abst*
Endocervical aspiration biopsy technique, evaluation, trophoblast sampling in early pregnancy 302 *abst*

Fabry's disease, involvement of dorsal root ganglia: case report 309
Familial atypical multiple mole-melanoma syndrome
phenotypic variation 25
segregation analysis 342
Fc receptor and macrophage lymphocyte interaction (IA) genetic markers indicating susceptibility to leprosy 455 *abst*
Fetal liver biopsy, potential use 302 *abst*
FG syndrome, (Opitz-Kaveggia), possible X-linking 97
Fragile X chromosome
absence in idiopathic mental retardation: correspondence 314
chromosomal breakage in, and in normal subjects using low folate culture conditions 404
clinical and cytogenetic studies, seven families 169
in father and daughter: short report 476
fra(X)(q28) in lymphocytes, fibroblasts, and bone marrow in testicular tumour: case report 225
SEM study 280
trait in large kindred, transmission also through normal males 286
Fylde peninsula of Lancashire, congenital malformations associated with anencephaly 338

G syndrome, one case: short report 150
Galactose-1-P-uridyltransferase (GALT) in confirmation of tetrasomy 9p: case report 396
Gall bladder, congenital absence, malformations associated with 445
Genetic counselling
early, and amniocentesis referral 301 *abst*
empirical recurrence risk after unidentified multiple congenital abnormalities 367
in Huntington's chorea, attitudes of subjects at risk and their relatives 179
neural tube defect high risk couples, during pregnancy, ? timing 301 *abst*
preconceptional 301 *abst*
prospective view 301 *abst*
Genetics, human, teaching in schools: review article 244
Germ cell tumours with gonadal dysgenesis 264
Gonadal dysgenesis, XY, X linked recessive form, with gonadal germ cell tumours 264

Gonadotrophins, serum, in Down's syndrome: correspondence 233
Gossypol, male contraceptive agent, effect on human lymphocytes 81
Graves' disease and Down's syndrome, case described: case report 133

Haemoglobin H disease in childhood, phenotype-genotype correlation 425
Haemophilia A, sex ratio of mutation rates 456 *abst*
HLA-DR2 in two sibships with insulin-dependent diabetes mellitus 365
Huntington's disease
  arising as fresh mutation: case report 459
  genetic counselling, attitudes of subjects at risk and their relatives towards 179
  new mutations: correspondence 76
  and leprosy in a New Guinea Highlander 412
  maternal transmission 241 *abst*
  in monozygotic twins reared apart 408
  and presymptomatic provocative testing 163 *abst*
  in South Wales, mutation, fertility, and genetic fitness 12
Hypobetalipoproteinaemia, homozygous, apolipoprotein B detected in plasma 189
Hypogonadism
  alopecia, diabetes mellitus, mental retardation, deafness, and ECG abnormalities, syndrome in two families, six patients, Saudi Arabian 216
  familial, with balanced reciprocal 1;12 translocation: short report 478
Hypostatic ulcers in 47,XXY Klinefelter's syndrome 100

Immunoglobulin chain deficit, possibility in monosomy 22 with humoral immunodeficiency: case report 69
Immunological tolerance induced by in utero injection 41
Infertility, genetic aspects, special reference to AID 300 *abst*
Intercommissural distances and philtrum length in newborn infants 130
Intestinal obstruction and cystic fibrosis: antenatal ultrasound appearance: case report 229
Intrauterine
  death, analysis of genetic heterogeneity 196
  injection, immunological tolerance induced by 41
Inversions
  paracentric, two new familial cases, inv(7)(q22q11) and inv(11)(q23q13): short report 231
  pericentric, in association with interstitial duplication/deletion owing to unequal crossing-over: correspondence 234
    2(p21q11) with de novo translocation and isochromosome 5p: case report 394
    chromosome 13: correspondence 154

Klinefelter's syndrome, 47,XXY, hypostatic ulcers in 100

Larsen syndrome, severe cardiac anomalies in sibs 422
Lateral readings 1, 2, 3: editorials 161, 241, 401
Legal implications of antenatal screening and diagnosis 302 *abst*
Leigh's syndrome, possible X linked form 456 *abst*
Leprosy
  and Huntington's disease in a New Guinea Highlander 412
  susceptibility, Fc receptor and macrophage lymphocyte interaction as genetic markers 455 *abst*
Leukaemia, chronic myelogenous, prognosis 403 *abst*
Linkage analysis of neurofibromatosis (von Recklinghausen disease) 334
Liver biopsies, fetal, potential use 302 *abst*
Lung cancer 401 *abst*

Majewski and Mohr syndrome features, female infant, tongue tumours, hypoplastic tibiae, cleft palate, and polydactyly: case report 65
Male contraceptive agent Gossypol, effect on lymphocytes 81
Malignant hyperthermia, analysis of skeletal muscle proteins from normal and halothane sensitive pigs 18
Matings, consanguineous, in Egyptian population 58
Melanoblast, aberrant migration, associated with trisomy 18 mosaicism: case report 135
Mental retardation, idiopathic, absence of fragile X: correspondence 314
Metatarsus adductus in Aarskog syndrome, two brothers: short report 477
Methaemoglobinaemia, phenazopyridine induced, associated with decreased activity of erythrocyte cytochrome b_5 reductase: case report 307
Methotrexate resistance 241 *abst*
Microcephaly and intracranial calcification, two brothers 210
Mohr and Majewski syndrome features, female infant, cleft palate, tongue tumours, hypoplastic tibiae and polysyndactyly: case report 65
Mole-melanoma syndrome, multiple, familial atypical *see* Familial atypical multiple mole-melanoma syndrome
Monosomy
  partial, chromosome 3: 46,XY,der(3),t(3;17) (p25;q23) and partial trisomy of chromosome 17: case report 383
  14, distal, not associated with ring formation: case report 147
  proximal, 15q: correspondence 233
  18p and pure trisomy 18p in family with translocation (7;18) 377
  22 with humoral immunodeficiency, possibility of immunoglobulin chain deficit: case report 69
Multiple sclerosis, spontaneous and mutagen induced sister chromatid exchange 372
Muscular dystrophy
  Becker, and polymorphic DNA probes, genetic linkage between 454 *abst*
    and a polymorphic DNA sequence on short arm of X chromosome 255
  Duchenne, absence of genetic heterogeneity 249
    DNA probes linked to, clinical use 454 *abst*
    genetic status of mothers of isolated cases 1
    use of linked DNA polymorphisms for genotype prediction 252, 454 *abst*
    Xp21 location: case report 461
Myotonic dystrophy
  and chromosome 19 sequences, linkage analysis 259
  genotype prediction and gene mapping 456 *abst*

Neu-Laxova syndrome, additional manifestations: case report 227
Neural tube defects
  cause, experiments, and a hypothesis 164: correspondence 314
  evidence against female specific class: correspondence 78
  experiments and hypothesis 458 *abst*
  genetic counselling during pregnancy, timing for high risk couples 301 *abst*
Neurofibromatosis
  and diaphyseal aclasis, infrequency of malignant disease in 345
  linkage analysis 334

Ocular defects in cri-du-chat syndrome: case report 304
Osteogenesis imperfecta
  broad boned lethal, and Ehlers-Danlos syndrome type II, intra- and extragenic deletions 455 *abst*
  type I, heterogeneity 203
Osteoglophonic dwarfism in two generations 436
Ovarian cancer, familial, gynaecological and genetic management 300 *abst*

Phenazopyridine induced methaemoglobinaemia associated with decreased activity of erythrocyte cytochrome b_5 reductase: case report 307
Philtrum length and intercommissural distance in newborn infants 130
Phosphoglucomutase and group-specific component (Gc) subtypes and tuberculosis, association between 220
Poland anomaly
  dysmorphology, isolated absence of pectoralis major and allied disorders 455 *abst*
  familial: correspondence 152
Prader-Willi syndrome, chromosome studies 457 *abst*
Preconceptional counselling 301 *abst*
Pregnancy termination for genetic reasons, reaction 458 *abst*
Prevention prospects 241 *abst*
Protein component, group-specific, (Gc), phosphoglucomutase and tuberculosis, association between 220
Pulverulent cataract in large kindred 419
Pyloric stenosis: children vs sibs: correspondence 155

Rhabdomyomata, cardiac, as marker for antenatal detection of tuberous sclerosis: case report 303
Ring chromosome
  10 and its clinical features: case report 142
  11, two cases 380
Royal College of Obstetricians and Gynaecologists, and Clinical Genetics Society, Joint Meeting, London, October 1982, abstracts 300

Sacral agenesis, predisposition to spina bifida: correspondence 313
Sex determination, fetal using male specific male DNA probes and karyotype analysis from chorionic villus biopsies in first trimester 454 *abst*
Sexing embryos 402 *abst*
Sickle cell and haemoglobin C β^+-thalassaemia in Liberia haemoglobin pattern 430
Sister chromatid exchange, spontaneous and mutagen induced, in multiple sclerosis 372
Sparteine and debrisoquine metabolism, genetic control 321
Sperm, chromosomes, use of interspecific in vitro fertilisation for visualisation 457 *abst*
Spina bifida
  and hereditary persistence of alphafetoprotein 458 *abst*
  predisposition of sacral agenesis to: case report 313
Spondyloperipheral dysplasia 117
Streptomycin ototoxicity, familial aggregation, autosomal dominant inheritance? 357
Sulphasalazine metabolism, effect of acetylator phenotype on, man 30
Systemic lupus erythematosus, genetics 242 *abst*

Testicular tumour, demonstration of fra(X) in lymphocytes, fibroblasts, and bone marrow: case report 225
Tetrasomy
  9p confirmed by GALT: case report 396
  18p: tentative delineation of a syndrome: case report 144
Thalassaemia
  α, in Apulia, biosynthetic studies 206
  δβ, in Sicily, double heterozygosity for Aγ δβ-thallassaemia and AγGγ δβ-thalassaemia: case report 73
  Hb C β^+-, and sickle cell, haemoglobin pattern 430
Thoracic-pelvic dysostosis, 'new' autosomal dominant form 276
Thrombocytopenia, amegakaryocytic, a new X linked variety: constitutional aplastic anaemia 361
Tissue typing, advances 242 *abst*
Translocation
  balanced reciprocal 1;12 in familial hypogonadism: short report 478
  balanced X;9 replication patterns: case report 467
    in female with Duchenne muscular dystrophy: case report 461
  chromosome 12q, genetic risks and partial trisomy 12q 86
  complex double, involving four chromosomes and five breakpoints with mental retardation: case report 389
  de novo translocation heterozygote with three reciprocal translocations: case report 385
  familial, causing trisomy for 8q21→pter: case report 68
  7;18, monosomy 18p and pure trisomy 18p in family with 377
  reciprocal, 14q;21q in Brachmann-de Lange syndrome: case report 469
  t(1;20)(q21;q13) in an azoospermic man: short report 151
  t(9;12)(p24;q21·2), and partial trisomy 12q 86
Trisomy
  5p owing to de novo translocation with isochromosome 5p associated with familial pericentric inversion of chromosome 2, inv 2(p21q11): case report 394
  for 8p21→pter owing to a familial translocation: case report 68
  9 syndrome, delineation: correspondence 156
  partial 12q, and genetic risks of 12q translocation 86
  partial 14q24→pter: case report 466
  partial, chromosome 17, and partial monosomy of chromosome 3: 46,XY,der(3),t(3;17) (p25;q23): case report 383

18 mosaicism, aberrant melanoblast migration association with: case report 135
21, paternal age effect on frequency, no evidence at amniocentesis in 13 300 pregnancies 457 *abst*
Trophoblast sampling in early pregancy, evaluation of endocervical aspiration biopsy technique 302 *abst*
Tuberculosis, phosphoglucomutase and group-specific (Gc) component subtypes, association between 220
Tuberous sclerosis, antenatal detection, cardiac rhabdomyomata as marker: case report 303
Turner's syndrome, dissection of aorta in 61, Correction 222
Twins
Down's syndrome 94
monozygotic, reared apart, Huntington's disease in 408
Ulcers, hypostatic, in 47,XXY Klinefelter's syndrome 100
Urethra, absence, in fetus with trisomy 18, antenatal detection of grossly distended bladder: case report 132

Vitamin A and photoperiodism 401
Von Recklinghausen disease *see* Neurofibromatosis

Wildervanck's syndrome with bilateral subluxation of lens and facial paralysis: case report 72
Wilson's disease, evaluation of segregation ratio 271
Windmill-vane camptodactyly/ichthyosis syndrome, recessively inherited in brother and sister 125